

Preparation of manuscripts for the *IBM Journal of Research and Development*

Overall aspects

The manuscript must be a report of significant new work, a new review or overview, or a combination of the above—and be targeted toward the general technical reader. Although a shorter version may have been published (or submitted for publication) elsewhere—for example, in a rapid publication such as *Applied Physics Letters* or in a conference proceedings—the manuscript may be acceptable if it differs significantly from the shorter version.

Its title should be no more than ten words long. Its abstract should be no more than 200 words long, summarize the significant aspects of the manuscript, and indicate whether the manuscript is a report of new work, a review or overview, or a combination of the above.

Its introduction should provide background information (including relevant references) and indicate the purpose of the manuscript. Inclusion of statements at the end of the introduction regarding the organization of the manuscript can be helpful to the reader.

In addition to being grammatically correct, the manuscript should evolve so that each sentence, equation, figure, and table flows smoothly and logically from whatever precedes it. Relevant work by others, as well as relevant products from other companies, should be adequately and accurately cited. Sufficient support should be provided (or cited) for the assertions made and conclusions drawn.

The manuscript should be prepared using a 12-point font, double spacing, and 1.25-inch-wide margins; and its pages should be numbered.

Scalar variables and physical constants should be italicized, and a bold font should be used for vectors.

The procedures and/or apparatus used should be described or referenced.

The symbols and acronyms used should be defined within the text or in a separate list. The use of in-house technical jargon should be avoided; instead, generic technical terms should be used.

Figures and tables

A minimum number of figures and tables should be used. They should contain only essential entries and be designed to be clearly legible after reduction to a width of 3 inches (column width); if necessary, a 6-inch width is acceptable for a few figures.

Figures should be explained in the text and numbered in the order in which they are cited. Their captions should be concise.

If a figure or table has been (or is scheduled to be) published elsewhere (in a journal, conference proceedings,

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A reference to a paper that has been published in a journal or conference proceedings should contain the name of each author, title of the paper, journal/conference proceedings designation, volume, inclusive page numbers, and year of publication. The name(s) of its author(s) should appear exactly as in the paper.

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Material to be submitted

1. A Microsoft Word file or Lotus WordPro file of the manuscript, including its figures, tables, and biographical sketches.
2. A copy of the above file in pdf format.

3. A copy of the publication approval form for the manuscript (IBM authors).
4. Signed “Transfer of Copyright” forms (non-IBM authors; the forms are available from us).

Note: Later, we may request additional files of the figures—in a vector format (eps, ai, or prz) for those containing lines and curves, and in a bitmap format (bmp, tif, gif, or jpg) for those containing images.